

## ABSTRACT OF THE DISCLOSURE

An aluminum activator and catalyst system for olefin polymerization is provided. In one aspect, the catalyst system comprises a polymerization catalyst and an activator comprising two or more heterocyclic nitrogen-containing ligands coordinated to a Group 13 atom. Preferably, the activator is a reaction product of one or more Group 13 atom-containing compounds and one or more heterocyclic nitrogen-containing compounds.